

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Marc Najork

Confirmation No.:

Application No.: 10/663,933

Group Art Unit: Not Yet Assigned

Filing Date: September 16, 2003

Examiner: Not Yet Assigned

For:

IMPROVED SYSTEMS AND METHODS FOR RANKING DOCUMENTS BASED UPON STRUCTURALLY INTERRELATED INFORMATION

DATE OF DEPOSIT:

11/21/03

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 2213-1450

David M. 1) a Souto

TYPED NAME: David M. De Santo

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identified application as set forth in § 1.491, before the			
of a first Office Action on the merits of the above-identified application, or			
before the mailing date of a first Office Action after the filing of request for			
continued examination under § 1.114, no additional fee is required.			
In accordance with § 1.129(a), this Information Disclosure Statement is being			
filed in connection with _ the first or _ second After Final Submission			
therefore:			
Certif	fication in Accordance with § 1.97(e) is attached; or		
The f	ee of \$180.00 as set forth in § 1.17(p) is attached.		
In accordance with	§ 1.97(c), this Information Disclosure Statement is being		
filed after the period	set forth in § 1.97(b) above but before the mailing date of		
either a Final Action	under § 1.113 or a Notice of Allowance under § 1.311, or		
before an action that	otherwise closes prosecution in the application, therefore:		
	Certification in Accordance with § 1.97(e) is attached		
	or		
	The fee of \$\frac{\$180.00}{}\$ as set forth in \$ 1.17(p) is attached.		
In accordance with § 1.97(d), this Information Disclosure Statement is being			
filed after the mailing date of either a Final Action under § 1.113 or a Notice			
of Allowance under § 1.311 but before, or simultaneously with, the paymen			
of the Issue Fee, therefore included are: Certification in Accordance with			
1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).			

DOCKET NO.: MSFT-2736/305415.1 - 3 - PATENT

\boxtimes	Copies of each of the references listed on the attached Form PTO-1449 are					
	enclos	enclosed herewith.				
	Copie	pies of references listed on the attached Form PTO-1449 are enclosed				
	herew	ith				
	Copie	pies of references listed on the attached Form PTO 1449 are not required to				
	be sul	be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR §				
	1.98(a	1.98(a)(2)(i).				
	EXCE	EXCEPT THAT:				
		In view of the voluminous nature of references [list as appropriate],				
		and the likelihood that these references are available to the Examiner,				
		copies are not enclosed herewith.				
		In accordance with § 1.98(d), copies of the following references listed				
		on the attached Form PTO-1449 are not enclosed herewith because				
		they were previously cited by or submitted to the U.S. Patent and				
	Trademark Office in patent application(s) for which a claim for priority					
	under 35 U.S.C.§ 120 have been made in the instant application:					
		Copies of references [list as appropriate] listed on the				
		attached Form PTO-1449 were previously cited by or submitted				
		to the Patent and Trademark Office in prior Application No.				
		, filed .				

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

English language abstracts have been provided for reference(s) # 9 which in not in the English language.

Date: $\frac{11/21/03}{}$

Thomas E. Watson Registration No.: 43,243

WOODCOCK WASHBURN LLP One Liberty Place - 46th Floor Philadelphia, PA 19103

Telephone: (215) 568-3100 Facsimile: (215) 568-3439

© 2003 WW





Form l	Form PTO-1449 Modified		Docket No. MSFT-2736/305415.01	Application No. 10/663,933
List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Applicant: Marc Najork		
		Filing Date September 16, 2003	Group Not Yet Assigned	
O 1	гнен	R DOCUMENTS (Includ	ing Author, Title, Date, Pe	ertinent Pages, Etc.)
	1	Dhyani, D. et al, "Deriving and Verifying Statistical Distribution of a Hyperlink-Based Web Page Quality Metric;" <i>Data & Knowledge Engineering</i> , 2003 ; Vol. 46, No. 3, pp. 291-315		
	2	Upstill, T., "Query-Independent Evidence in Home Page Finding;" ACM Transactions on Information Systems; 2003; Vol. 21, No. 23, pp. 286-313		
	3	3 Haveliwala, Taher H., "Topic-Sensitive PageRank: A Context-Sensitive Ranking Alborithm for Web Search;" <i>IEEE Transactions on Knowledge and Data Engineering</i> ; 2003; 15(4), 784-796		
	4 Devanshu, D., "A Survey of Web Metrics;" ACM Computing Surveys; 2002; 34(4), 469-503			
	5 Thelwall, M., "Subject Gateway Sites and Search Engine Ranking;" Online Information Review, 2002, 26(2),101-107			
	6			
	7			
	8			
EXAMINER DATE CONSIDERED			DERED	



RTON	and the same of th			
Form PTO	-1449 Modified	Docket No. MSFT-2736/305415.01	Application No. 10/663,933	
Cited	nt and Publications by Applicant sheets if necessary)	Applicant: Marc Najork		
	ment of Commerce Trademark Office	Filing Date September 16, 2003	Group Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
9	Song, Ju-ping, et al., "Improved PageRank Algorithm for Ordering Web Pages;" Journal of Shanghai Jiaotong University; Shanghai Jiaotung University Press, China, Mar. 2003; Vol. 37, No. 3, pp. 397-400 (English Abstract attached)			
10	Chen, Yen-Yu, et al. "I/O-Efficient Techniques for Computing Pagerank;" CIKM, 2002, 549-557			
11	Z. Chen, et al. "A Unified Framework for Web Link Analysis;" WISE, 2002, Proceedings of the Third International Conference on Web Information Systems Engineering, IEEE Comput. Sci, 2002; 63-70			
12	+ Coth			
13	Baeza-Yates, R. et al. "Web Structure, Dynamics and Page Quality;" <i>Proceedings of 9th International Symposium, String Processing and Information Retrieval 2002, Sept. 11-13, 2002, Lisbon, Portugal</i> ; Springer-Verlag, Germany, 2002 ; (Lecture Notes on Computer Science, Vol. 2476), pp. 117-130			
14	Pandurangan, G., "Using PageRank to Characterize Web Structure;" Proceedings of 8 th Annual International Conference, Computing and Combinatorics (COCOON), 2002, Aug. 15-17, 2002, Singapore; Springer-Verlag, Germany, 2002; (Lecture Notes in Computer Science, Vol. 2387), pp. 330-339			
EXAMINER		DATE CONSI	DERED	



Form I	PTO-1449 Modified	Docket No. MSFT-2736/305415.01	Application No. 10/663,933
C	Patent and Publications ited by Applicant eral sheets if necessary)	Applicant: Marc Najork	
	partment of Commerce and Trademark Office	Filing Date September 16, 2003	Group Not Yet Assigned
O	THER DOCUMENTS (Inclu	iding Author, Title, Date, Per	tinent Pages, Etc.)
	Proceedings of 24 th BC Information Retrieval,	aproved Computation of the Pa SS-IRSG European Colloquium March 25-27, 2002, Glasgow, are Notes in Computer Science	on IR Research, Advances in UK; Springer-Verlag,
EXAMINER		DATE CONSI	DERED

2003 WW